

(8) Claims

I claim:

- 1) A device for vaporizing volatile constituents of various substances
5 comprising
 - a) an outer vessel having an inner surface, an outer surface, an open proximal end and a closed distal end; said distal end having a heating area comprised of a material which can withstand heat required to vaporize said volatile constituents;
 - 10 b) an inner vessel having an inner surface, an outer surface and open distal and proximal ends and being insertable into said outer vessel so as to leave a space between adjacent walls of said vessels;
 - c) a partition member within said inner vessel separating the inner vessel into two chambers, a distal vaporization chamber and a proximal
15 drawing chamber, said partition allowing air to flow therethrough when a suction is created by drawing air out of the proximal end of the inner vessel and further substantially preventing particulate matter in the vaporization chamber from entering the drawing chamber;
 - d) a fastener located away from said heating area to keep said vessels
20 in place when assembled; and
 - e) one or more air intake vents located away from said heating area for admitting atmospheric air to enter the space between said vessels upon drawing air out of the proximal end of said inner vessel.

2) The device of claim 1 further comprising an outer wrap of heat resistant material such that said wrap snugly substantially covers said outer surface of said outer vessel, leaving said air intake vents and said heating area uncovered.

3) The device of claim 1 where said fastener is a grommet which snugly encircles said outer surface of said inner vessel or extension thereof and which fits snugly into said open proximal end of said outer vessel when said inner vessel is sufficiently inserted into said outer vessel.

4) The device of claim 3 where said air intake vents are through-holes going from said outer surface of said outer vessel to said inner surface of said outer vessel.

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5) The device of claim 1 where said outer vessel is substantially a standard test tube shape and said inner vessel is substantially a long straight tube.

20 6) The device of claim 5 where said inner vessel and said outer vessel are made of high temperature glass.

7) The device of claim 5 where said fastener is a grommet which snugly encircles said outer surface of said inner vessel or extension thereof and which fits snugly into said open proximal end of said outer vessel when said inner vessel is sufficiently inserted into said outer vessel.

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8) The device of claim 7 where said air intake vents are through-holes going from said outer surface of said outer vessel to said inner surface of said outer vessel.

10 9) The device of claim 8 where said inner vessel and said outer vessel are made of high temperature glass.

10) The device of claim 5 where the most distal portion of said inner vessel has opposing sides crimped towards one another making said
15 opening at said distal end of said inner vessel substantially figure 8 shaped.

11) The device of claim 10 where said fastener is a grommet which snugly encircles said outer surface of said inner vessel or extension thereof and
20 which fits snugly into said open proximal end of said outer vessel when said inner vessel is sufficiently inserted into said outer vessel.

- 12) The device of claim 11 where said air intake vents are through-holes going from said outer surface of said outer vessel to said inner surface of said outer vessel.
- 5 13) The device of claim 12 where said inner vessel and said outer vessel are made of high temperature glass.
- 14) The device of claim 12 further comprising an outer wrap of heat resistant material such that said wrap snugly substantially covers said
10 outer surface of said outer vessel but leaving said air intake vents and said heating area uncovered.
- 15) The device of claim 12 further comprising a mouthpiece.
- 15 16) The device of claim 5 where said inner vessel has one or more air inlet holes through the surface of said inner vessel, said air inlet holes located near said distal end of said inner vessel.
- 17) The device of claim 16 where said fastener is a grommet which snugly
20 encircles said outer surface of said inner vessel or extension thereof and which fits snugly into said open proximal end of said outer vessel when said inner vessel is sufficiently inserted into said outer vessel.

- 18) The device of claim 17 where said air intake vents are through-holes going from said outer surface of said outer vessel to said inner surface of said outer vessel.
- 5 19) The device of claim 18 where said inner vessel and said outer vessel are made of high temperature glass.
- 20) The device of claim 18 further comprising an outer wrap of heat resistant material such that said wrap snugly substantially covers said
10 outer surface of said outer vessel but leaving said air intake vents and said heating area uncovered.
- 21) The device of claim 18 further comprising a mouthpiece.
- 15 22) A device for vaporizing volatile constituents of various substances comprising
- a) an outer vessel having an inner surface, an outer surface, an open proximal end and a closed distal end; said distal end having a heating area comprised of a material which can withstand heat required to
20 vaporize said volatile constituents;
- b) an inner vessel having an outer surface, an inner surface and open distal and proximal ends, said inner vessel being insertable into said outer vessel so as to leave a space between adjacent walls of said vessels;

c) a partition member within said inner vessel separating the inner vessel into two chambers, a distal vaporization chamber and a proximal drawing chamber, said partition allowing air to flow therethrough when a suction is created by drawing air out of the proximal end of the inner vessel and further substantially preventing particulate matter in the vaporization chamber from entering the drawing chamber; and

d) one or more air intake vents located away from said heating area for admitting atmospheric air to enter the space between said vessels upon drawing air out of the proximal end of said inner vessel.

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23) The device of claim 22 where said proximal end of said inner vessel is insertable into the slider-bowl receiving tube of a water pipe.

24) The device of claim 23 further comprising a sleeve, having a proximal end and a distal end, fitted around said outer surface of said inner vessel such that when said inner vessel is sufficiently inserted into said outer vessel, and said proximal end of said inner vessel is inserted into a slider-bowl receiving tube of a water pipe, said distal end of said sleeve abuts said open proximal end of said outer vessel and substantially seals the space between the outside surface of said inner vessel and said open proximal end of said outer vessel, and said proximal end of said sleeve abuts the mouth of said slider-bowl receiving tube of said water pipe and substantially seals the space between the outside surface of said inner

vessel and said mouth of said slider-bowl receiving tube of said water pipe.

25) The device of claim 24 where said air intake vents are through-holes
5 going from said outer surface of said outer vessel to said inner surface of said outer vessel.

26) The device of claim 25 where said outer vessel is substantially a standard test tube shape and said inner vessel is substantially a long
10 straight tube.

27) The device of claim 26 where the most distal portion of said inner vessel has opposing sides crimped towards one another making said opening at said distal end of said inner vessel substantially figure 8
15 shaped.

28) The device of claim 27 where said inner vessel and said outer vessel are made of high temperature glass.

20 29) The device of claim 23 further comprising a sleeve, having a proximal end and a distal end, fitted around said outer surface of said inner vessel such that when said inner vessel is sufficiently inserted into said outer vessel, said distal end of said sleeve abuts said open proximal end of said

outer vessel and substantially seals the space between the outside surface of said inner vessel and said open proximal end of said outer vessel.

30) The device of claim 29 where said air intake vents are through-holes
5 going from said outer surface of said outer vessel to said inner surface of said outer vessel.

31) The device of claim 30 where said outer vessel is substantially a standard test tube shape and said inner vessel is substantially a long
10 straight tube.

32) The device of claim 31 where the most distal portion of said inner vessel has opposing sides crimped towards one another making said opening at said distal end of said inner vessel substantially figure 8
15 shaped.

33) The device of claim 32 where said inner vessel and said outer vessel are made of high temperature glass.

20 34) The device of claim 29 further comprising a second sleeve, having a proximal end and a distal end, fitted around said outer surface of said inner vessel such that when said proximal end of said inner vessel is inserted into a slider-bowl receiving tube of a water pipe, said proximal

end of said second sleeve abuts the mouth of said slider-bowl receiving tube of said water pipe and substantially seals the space between the outside surface of said inner vessel and said mouth of said slider-bowl receiving tube of said water pipe.

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35) The device of claim 34 where said air intake vents are through-holes going from said outer surface of said outer vessel to said inner surface of said outer vessel.

10 36) The device of claim 35 where said outer vessel is substantially a standard test tube shape and said inner vessel is substantially a long straight tube.

15 37) The device of claim 36 where the most distal portion of said inner vessel has opposing sides crimped towards one another making said opening at said distal end of said inner vessel substantially figure 8 shaped.

20 38) The device of claim 37 where said inner vessel and said outer vessel are made of high temperature glass.

39) The device of claim 23 further comprising a sleeve, having a proximal end and a distal end, fitted around said outer surface of said inner vessel

such that when said proximal end of said inner vessel is inserted into a slider-bowl receiving tube of a water pipe, said proximal end of said sleeve abuts the mouth of said slider-bowl receiving tube of said water pipe and substantially seals the space between the outside surface of said inner vessel and said mouth of said slider-bowl receiving tube of said water pipe.

40) The device of claim 39 where said outer vessel is substantially a standard test tube shape and said inner vessel is substantially a long straight tube.

41) The device of claim 40 where the most distal portion of said inner vessel has opposing sides crimped towards one another making said opening at said distal end of said inner vessel substantially figure 8 shaped.

42) The device of claim 41 where said inner vessel and said outer vessel are made of high temperature glass.